

**I claim**

1. A silicon-steel structure for motor, comprising a integrally formed by a magnetic material; the silicon-steel plate comprising a main body, a plurality of tooth portions formed on topside and bottom side of the main body; the tooth  
5 portions on top of the main body being complementary with the tooth portions on bottom of the main body, the tooth portions being bent vertically with respect to the main body and the main body being rolled to form cylindrical shape.

2. The silicon-steel structure for motor as in claim 1, wherein the tooth  
10 portions are formed on topside and bottom side of the main body with equal pitch.

3. The silicon-steel structure for motor as in claim 1, wherein a plurality of additional silicon-steel plates are stacked on top and bottom surface of the  
15 silicon-steel plate.